

For Research Use Only

# CD109 Recombinant antibody, PBS Only

Catalog Number: 85924-4-PBS



## Basic Information

Catalog Number:	85924-4-PBS	GenBank Accession Number:	NM_133493.5	Purification Method:	Protein A purification
Size:	100ug, Concentration: 1 mg/ml by Nanodrop;	GenID (NCBI):	135228	CloneNo.:	250327A11
Source:	Rabbit	UNIPROT ID:	Q6YHK3-1		
Isotype:	IgG	Full Name:	CD109 molecule		
Immunogen Catalog Number:	EG2673	Calculated MW:	162 kDa		
		Observed MW:	180 kDa		

## Applications

### Tested Applications:

WB, IHC, Indirect ELISA

### Species Specificity:

human

## Background Information

CD109, also named as CPAMD7, is a member of the alpha2-macroglobulin/complement superfamily. It is a glycosylphosphatidylinositol (GPI)-linked cell surface glycoprotein of approximately 170kDa which is found on the cell surface of platelets, activated T-cells, and endothelial cells. CD109 binds to and negatively regulates signaling of transforming growth factor beta (TGF-beta). CD109 has been identified as part of the TGF-beta receptor system in human keratinocytes. Up regulation of CD109 expression has been observed in several different types of tumor. CD109 is a glycosyl-phosphatidylinositol-anchored glycoprotein that is a member of the a2-macroglobulin/C3, C4, C5 family of thioester-containing proteins. There're 2 forms of 150 (p150) and 120 kDa (p120) exist due to proteolytic degradation from a 180 kDa form.

## Storage

### Storage:

Store at -80°C.

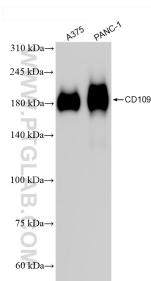
### Storage Buffer:

PBS only, pH7.3

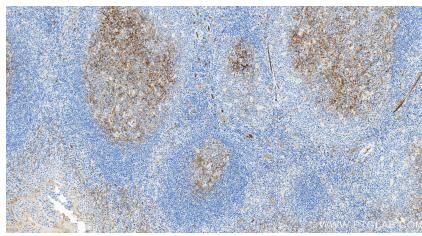
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85924-4-RR (CD109 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85924-4-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 85924-4-RR (CD109 antibody) at dilution of 1:800 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 85924-4-PBS in a different storage buffer formulation.